

## 4. Discussion

Until now, studies on microRNA-126 mainly focus on aspects of effects that it was a tumor suppressor gene[8]. In recent years, the roles of microRNA-126 in inflammation aspects also attract people's attention, but its detailed mechanism is still not clear[9]. In addition, in development process of human lung, heart and kidney, the roles of microRNA-126 also need further investigation.

At present, people's attention focuses on the functions of microRNA in tumor occurrence and development, but molecular mechanisms how microRNAs playing their roles are still not understood, and there are many conceptive and experimental problems. Up to 2014, Sanger miRBase database (miRBase 21 released) has 28645 approved microRNAs, in which only dozens of microRNAs have been analyzed in lung cancer occurrence and development up to now. It's a new arduous task to seek other lung cancer-associated microRNAs, identify its downstream target molecule and determine the mechanisms of microRNAs playing roles in lung cancer occurrence and development.

## Conflict of interest statement

We declare that we have no conflict of interest.

## References

- [1] Wang J, Jia Z, Zhang C, Sun M, Wang W, Chen P, et al. miR-499 protects cardiomyocytes from H<sub>2</sub>O<sub>2</sub>-induced apoptosis via its effects on Pdc4 and Pcs2. *RNA Biol* 2014; **11**: 339-350.
- [2] Fitch MJ, Campagnolo L, Kuhnert F, Stuhlmann H. Eglf17, a novel epidermal growth factor-domain gene expressed in endothelial cells. *Dev Dyn* 2004; **230**: 316-324.
- [3] Kraus B, Monk B, Sliva K, Schnierle BS. Expression of human endogenous retrovirus-K coincides with that of micro-RNA-663 and -638 in germ-cell tumor cells. *Anticancer Res* 2012; **32**: 4797-4804.
- [4] Musiyenko A, Bitko V, Barik S. Ectopic expression of miR-126\*, an intronic product of the vascular endothelial EGF-like 7 gene, regulates protein translation and invasiveness of prostate cancer LNCaP cells. *J Mol Med (Berl)* 2008; **86**: 313-322.
- [5] Crawford M, Brawner E, Batte K, Yu L, Hunter MG, Otterson GA, et al. MicroRNA-126 inhibits invasion in non-small cell lung carcinoma cell lines. *Biochem Biophys Res Commun* 2008; **373**: 607-612.
- [6] Harris TA, Yamakuchi M, Ferlito M, Mendell JT, Lowenstein CJ. MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1. *Proc Natl Acad Sci U S A* 2008; **105**: 1516-1521.
- [7] Chen YH, Pan SL, Wang JC, Kuo SH, Cheng JC, Teng CM. Radiation-induced VEGF-C expression and endothelial cell proliferation in lung cancer. *Strahlenther Onkol* 2014; **190**: 1154-1162.
- [8] Wang X, Tang S, Le SY, Lu R, Rader JS, Meyers C, et al. Aberrant expression of oncogenic and tumor-suppressive microRNAs in cervical cancer is required for cancer cell growth. *PLoS One* 2008; **3**: e2557.
- [9] Otsubo T, Akiyama Y, Hashimoto Y, Shimada S, Goto K, Yuasa Y. MicroRNA-126 inhibits SOX2 expression and contributes to gastric carcinogenesis. *PLoS One* 2011; **6**: e16617.

Document heading doi: 10.1016/S1995-7645(14)60324-2

# Afebrile presentation of 2014 Western Africa Ebolavirus infection: the thing that should not be forgotten

Beuy Joob<sup>1\*</sup>, Viroj Wiwanitkit<sup>2,3,4,5</sup>

<sup>1</sup>Medical Academic Center, Bangkok Thailand

<sup>2</sup>Hainan Medical University, China

<sup>3</sup>Faculty of Medicine, University of Nis, Serbia

<sup>4</sup>Joseph Ayobabalola University, Nigeria

<sup>5</sup>Dr DY Patil Medical University, India

The 2014 Western Ebolavirus infection is the serious emerging disease at present[1-3]. This disease result in high fatality and rapidly widespread in Africa, hence, it becomes the present concern for medical society[1-3]. The knowledge on clinical presentation on this new Ebola virus infection is extremely limited. It is known only that Ebola virus infection can present as an acute febrile illness with hemorrhagic complication. Here, the authors try to summarize on the magnitude of "fever" as presentation in the 2014 Western Ebolavirus infection. Based on available data from 15 confirmed cases reported from Guinea[1-4], not all cases showed fever at presentation. The rate of afebrile case at presentation is equal to 9.3%. Hence, it should be noted that the afebrile 2014 Western Ebolavirus infection is possible and this challenge the immigration system that mainly use fever screening as tool for screening traveler from outbreak area.

## Conflict of interest statement

We declare that we have no conflict of interest.

## References

- [1] Green A. WHO and partners launch Ebola response plan. *Lancet* 2014; **384**(9942): 481.
- [2] Fletcher TE, Brooks TJ, Beeching NJ. Ebola and other viral haemorrhagic fevers. *BMJ* 2014; **349**: g5079.
- [3] Gostin LO, Lucey D, Phelan A. The ebola epidemic: A global health emergency. *JAMA* 2014. doi: 10.1001/jama.2014.11176. [Epub ahead of print]
- [4] Baize S, Pannetier D, Oestereich L, Rieger T, Koivogui L, Magassouba N, et al. Emergence of Zaire ebola virus disease in Guinea - Preliminary report. *N Engl J Med* 2014. [Epub ahead of print]

\*Corresponding author: Beuy Joob, Medical Academic Center, Bangkok Thailand.  
E-mail: beuyjoob@hotmail.com